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18. SUPPLEMENTARY NOTES Due to transducer calibration, the non-SI unit mmHg has been substituted for the SI unit KPa .		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) FLUIDICS FLUIDIC TECHNOLOGY FLUIDIC SENSORS CHEMICAL PROCESSORS HEAT EXCHANGER GAS CONCENTRATION SENSORS		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This document is the final report of a program to design, test, and evaluate the performance of fluidic gas concentration sensing systems and their component parts for monitoring C_xH_y and H_2S on offshore platforms. This program consisted of investigating three major portions of a system. <ul style="list-style-type: none">• Gas Sensors• Chemical Processors• Sensor Systems		

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